

## Appendix F

## Measurement Conversions

Table 1: Tuning Pins

No.	Tuning pin diameter	French No.
2	0.260" [6.60 mm]	24
1	0.265" [6.75 mm]	24 <sup>1</sup> / <sub>4</sub>
0 <sup>1</sup> / <sub>2</sub>	0.270" [6.90 mm]	24 <sup>1</sup> / <sub>2</sub>
0	0.275" [7.00 mm]	24 <sup>3</sup> / <sub>4</sub>
2/0	0.280" [7.10 mm]	25
3/0	0.285" [7.25 mm]	25 <sup>1</sup> / <sub>4</sub>
4/0	0.290" [7.35 mm]	25 <sup>1</sup> / <sub>2</sub>
5/0	0.295" [7.50 mm]	25 <sup>3</sup> / <sub>4</sub>
6/0	0.003" [7.65 mm]	26

Table 2: Tuning Pin Lengths

Length	
Inches	mm
2"	52
2 <sup>1</sup> / <sub>8</sub> "	55
2 <sup>1</sup> / <sub>4</sub> "	57
2 <sup>3</sup> / <sub>8</sub> "	60
2 <sup>1</sup> / <sub>2</sub> "	64

Table 3: U.S. Bridge Pin Sizes

Bridge pin		Recommended drill bit	
No.	Diameter	No. (U.S. wire gauge)	Diameter
#6	0.076" [1.930 mm]	#48	.076" [1.930 mm]
#7	0.086" [2.185 mm]	#45–44	0.082–0.086" [2.083–2.185 mm]
#8	0.096" [2.438 mm]	#42–41	0.093–0.096" [2.362–2.438 mm]
#9	0.109" [2.770 mm]	#36	0.106" [2.692 mm]
#10	0.135" [3.430 mm]	#30	0.128" [3.251 mm]

Table 4: European Bridge Pin Sizes

Bridge pin		
No.	Diameter	Length
3/0	0.0728" [1.85 mm]	<sup>53</sup> / <sub>64</sub> " [21 mm]
4/0	0.0787" [2.00 mm]	<sup>55</sup> / <sub>64</sub> " [22 mm]
5/0	0.0846" [2.15 mm]	<sup>29</sup> / <sub>32</sub> " [23 mm]
6/0	0.0925" [2.35 mm]	<sup>61</sup> / <sub>64</sub> " [24 mm]
7/0	0.0984" [2.50 mm]	<sup>63</sup> / <sub>64</sub> " [25 mm]
8/0	0.1043" [2.65 mm]	1 <sup>1</sup> / <sub>32</sub> " [26 mm]
9/0	0.1142" [2.90 mm]	1 <sup>7</sup> / <sub>64</sub> " [28 mm]
10/0	0.1220" [3.10 mm]	1 <sup>7</sup> / <sub>64</sub> " [28 mm]

**Table 5: Modern Piano (Music) Wire Sizes**

Wire gauge no.	Diameter			Approx. Length	
	European wire (mm)	U.S. wire (mm) (inches)		(Feet per pound)	(meters per kg)
12	0.725	0.737	0.029	463	310
12.5	0.750	0.762	0.030	430	288
13	0.775	0.787	0.031	404	270
13.5	0.800	0.813	0.032	377	253
14	0.825	0.838	0.033	354	238
14.5	0.850	0.864	0.034	335	224
15	0.875	0.889	0.035	315	212
15.5	0.900	0.914	0.036	298	200
16	0.925	0.940	0.037	282	190
16.5	0.950	0.965	0.038	266	179
17	0.975	0.991	0.039	253	170
17.5	1.000	1.016	0.040	243	162
18	1.025	1.041	0.041	233	155
18.5	1.050	1.067	0.042	220	147
19	1.075	1.092	0.043	210	140
19.5	1.100	1.118	0.044	200	134
20	1.125	1.143	0.045	194	129
21	1.175	1.194	0.047	177	118
22	1.225	1.245	0.049	161	108
23	1.275	1.295	0.051	144	96